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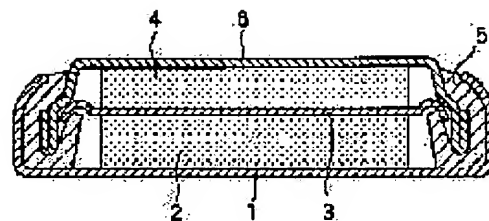
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## (54) NON-AQUEOUS ELECTROLYTE SECONDARY BATTERY

(57)Abstract:

**PROBLEM TO BE SOLVED:** To obtain a non-aqueous electrolyte secondary battery which is excellent in characteristics of both an initial capacity and a capacity after the passage of cycles, by enabling adhesion to be secured to a collector or the like without damaging conductivity of a lithium ion.

**SOLUTION:** A core/shell combined fine grain, having both a core part made of fluorocarbon polymer which is insoluble in organic solvent, and a shell part made of a polymer which is soluble or swells in organic solvent, and a fluoric polymer which dissolves in common organic solvent with the shell part of the core/shell combined fine grain, are used as binders of a positive electrode 2 and a negative electrode 4. A mean grain size of the core/shell combined fine grain is 0.05 to 1  $\mu\text{m}$ , and the weight ratio of the core part to the shell part is 98:2 to 50:50.



## LEGAL STATUS

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